We prove two basic theorems on (Lebesgue) integration of sums of products of globally subanalytic functions and their logarithms, called constructible functions. The first theorem states that constructible functions are closed under integration, and the second treats integrability issues in families. These theorems generalize and provide a natural framework for the previous work by Lion - Rolin [1] and by Comte - Lion - Rolin [2] on parameterized integrals and on parameterized volumes of globally subanalytic sets.
